



PN01-0386-2-12

Heated Gas Generation Test System

Problem

The INEEL Transuranic Waste Program needed to demonstrate that wastes shipped to the Waste Isolation Pilot Plant would not generate unsafe quantities of flammable gas when drum temperatures rise.

Baseline Technology

No baseline technology.

Innovative Technology

The Heated Gas Generation Test System heats waste drums to temperatures expected during transport, and measures the rate of flammable gas generation in each drum.

Comparison

This system enables measurement of flammable gas generation rates at temperatures expected during transport of transuranic waste drums to New Mexico.

Benefits

This system enables the project to ship 1,693 drums of previously uncertifiable transuranic waste, and directly supports meeting Idaho Settlement Agreement milestones.

WASTE MANAGEMENT PROGRAM

Project: ID-WM-103
INEEL Transuranic Waste Program

OST #3141